```
                    Welcome to DialogClassic Web(tm)
 Dialog level 05.07.12D
Last logoff:  20oct05 13:12:45
Logon file001 24oct05 16:17:05
          *** ANNOUNCEMENT ***
                    ***
--UPDATED: Important Notice to Freelance Authors--
See HELP FREELANCE for more information
                    ***
NEW FILES RELEASED
***Inspec (File 202)
***Physical Education Index (File 138)
***Computer and Information Systems Abstracts (File 56)
***Electronics and Communications Abstracts (File 57)
***Solid State and Superconductivity Abstracts (File 68)
***ANTE: Abstracts in New Technologies (File 60)
                    ***
RELOADS COMPLETED
*** The 2005 reload of the CLAIMS files (Files 340, 341, 942)
is now available online.

RESUMED UPDATING
***ERIC (File 1)
                    ***
Chemical Structure Searching now available in Prous Science Drug
Data Report (F452), Prous Science Drugs of the Future (F453), IMS R&D Focus (F445/95
Facts (F390), and Derwent Chemistry Resource (F355).
                    ***
     >>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
     >>>    of new databases, price changes, etc.      <<<
                    ****
>>>Cannot access PROFILE
 * * *

File   1:ERIC 1966-2005/Sep 30
       (c) format only 2005 Dialog
 *File   1: The database is now current with Monthly Updates.

      Set  Items  Description
      ---  -----  -----------
Cost is in DialUnits
?

B 155, 5, 73
       24oct05 16:17:23 User259876 Session D812.1
            $1.91    0.546 DialUnits File1
     $1.91  Estimated cost File1
     $0.06  INTERNET
     $1.97  Estimated cost this search
     $1.97  Estimated total session cost   0.546 DialUnits

SYSTEM:OS  - DIALOG OneSearch
  File 155:MEDLINE(R) 1951-2005/Oct 24
         (c) format only 2005 Dialog
  File   5:Biosis Previews(R) 1969-2005/Oct W3
         (c) 2005 BIOSIS
  File  73:EMBASE 1974-2005/Oct 24
         (c) 2005 Elsevier Science B.V.

      Set  Items  Description
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      ---  -----  -----------
?

S (DECELLULARIZED OR DECELLULARISATION OR ACELLULAR) (S) (MATRIX OR MATRICES OR TISS
             239  DECELLULARIZED
               2  DECELLULARISATION
            9941  ACELLULAR
          392862  MATRIX
           42394  MATRICES
         3205817  TISSUE?
      S1    3173  (DECELLULARIZED OR DECELLULARISATION OR ACELLULAR) (S)
                  (MATRIX OR MATRICES OR TISSUE?)
?

S S1 AND (VEGF AND VECTOR)
            3173  S1
           36792  VEGF
          295153  VECTOR
      S2       3  S1 AND (VEGF AND VECTOR)
?

RD
...completed examining records
      S3       1  RD (unique items)
?

T S3/3,K/ALL

  3/3,K/1     (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 Dialog. All rts. reserv.

17881062   PMID: 15874936
 Vascular endothelial growth factor-C promotes vasculogenesis,
 angiogenesis, and collagen constriction in three-dimensional collagen gels.
  Bauer Stephen M; Bauer Richard J; Liu Zhao-Jun; Chen Haiying; Goldstein
Lee; Velazquez Omaida C
  Hospital of University of Pennsylvania, Philadelphia 19124, USA.
  Journal of vascular surgery - official publication, the Society for
Vascular Surgery and International Society for Cardiovascular Surgery,
North American Chapter (United States)  Apr 2005,  41  (4)  p699-707,
ISSN 0741-5214  Journal Code: 8407742
  Publishing Model Print
  Document type: Journal Article
  Languages: ENGLISH
  Main Citation Owner: NLM
  Record type: MEDLINE; Completed

  ... collagen constriction are essential for wound healing. We tested
whether vascular endothelial growth factor-C ( VEGF -C) can promote
collagen constriction, capillary sprouting (angiogenesis), and
invasion/migration of bone marrow-derived endothelial progenitor cells into
collagen (vasculogenesis). METHODS: We used a recently characterized
three-dimensional collagen matrix assay with either monolayers of human
dermal microvascular endothelial cells (HMVECs) or bone marrow-derived
endothelial progenitor cells (BMD EPCs), obtained from Tie-2 LacZ
transgenic mice, overlaid with an acellular layer and then a cellular
layer of collagen embedded with fibroblasts, that were nontransduced or
transduced with either LacZ adenoviral vector (Ad5) or VEGF -C/Ad5. The
ability of VEGF -C to enhance fibroblast-mediated collagen constriction
```

was measured, and gels overlying HMVECs or BMD...

... formation; gels containing BMD EPCs were assayed for EPC invasion/migration into the collagen extracellular matrix . RESULTS: VEGF -C significantly increased collagen constriction and formation of capillary-like structures with true lumina (P < .05) assessed by von Willebrand factor and VEGF receptor-2 immunoassaying. VEGF -C induced a significant increase in HMVEC migration, tubular polarization, and branching sprouts associated with a significant up-regulation of membrane type 1 matrix metalloproteinase (MT1-MMP) (P < .05). Fibroblasts were necessary to support BMD-EPC invasion/migration from the monolayer into the collagen. Moreover, fibroblasts overexpressing VEGF -C significantly enhanced EPC invasion/migration (P < .05) into the extracellular matrix by two-fold, and this effect could not be achieved with equivalent levels of exogenous VEGF -C in the absence of fibroblasts. The addition of a soluble VEGF -C competitor protein only partially inhibited these responses, reducing the EPCs by three-fold, but significant numbers of EPCs still invaded/migrated into the extracellular matrix , suggesting that other fibroblast-specific signals also contribute to the vasculogenic response. CONCLUSION: Fibroblast-specific expression of VEGF -C promotes collagen constriction by fibroblasts and enhances microvascular endothelial cell migration, branching, and capillary...

... expression. Fibroblasts are necessary for BMD EPC invasion/migration into collagen, and their overexpression of VEGF -C enhances this fibroblast-mediated vasculogenic effect. Collectively, these findings suggest a role for VEGF -C in multiple biologic steps required for wound healing (angiogenesis, vasculogenesis, and collagen constriction). CLINICAL ...

... unsolved problem with no previously identified molecular target for therapeutic intervention. This study demonstrates that VEGF -C overexpression by fibroblasts stimulates multiple biologic processes known to impact wound healing, such as collagen constriction, capillary sprouting, and EPC invasion and migration through extracellular matrix . Most ischemic wounds fail to heal and frequently lead to major limb amputation. Available cytokine...
...these procedures are accomplished, many ischemic wounds frequently still do not heal because of multifactorial tissue level impairments in the fibroblastic and neovascularization responses at the wound base. Our findings identify an important role for two novel tissue level targets, dermis-derived fibroblasts and VEGF -C, in collagen constriction, angiogenesis, and postnatal vasculogenesis from BMD EPCs. Thus the findings are...
?

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Set     Items   Description
S1       3173   (DECELLULARIZED OR DECELLULARISATION OR ACELLULAR) (S) (MA-
            TRIX OR MATRICES OR TISSUE?)
S2          3   S1 AND (VEGF AND VECTOR)
S3          1   RD (unique items)
?

S S1 AND (BONE (W) MARRROW)
            3173  S1
         1170021  BONE
              56  MARRROW
              43  BONE(W)MARRROW
      S4       0  S1 AND (BONE (W) MARRROW)
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?

S (BONE (W) MARROW) (S) (VECTOR AND VEGF)
         1170021  BONE
          443955  MARROW
          295153  VECTOR
           36792  VEGF
      S5      70  (BONE (W) MARROW) (S) (VECTOR AND VEGF)
?

RD
...examined 50 records  (50)
...completed examining records
      S6      50  RD (unique items)
?

S S6 AND (DECELLULARIZED OR DECELLULARIZATION OR ACELLULAR)
              50  S6
             239  DECELLULARIZED
             106  DECELLULARIZATION
            9941  ACELLULAR
      S7       1  S6 AND (DECELLULARIZED OR DECELLULARIZATION OR ACELLULAR)
?

T S7/3,K/ALL
```

7/3,K/1 (Item 1 from file: 155)

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DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 Dialog. All rts. reserv.

17881062   PMID: 15874936
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Vascular endothelial growth factor-C promotes vasculogenesis, angiogenesis, and collagen constriction in three-dimensional collagen gels.

Bauer Stephen M; Bauer Richard J; Liu Zhao-Jun; Chen Haiying; Goldstein Lee; Velazquez Omaida C
Hospital of University of Pennsylvania, Philadelphia 19124, USA.

Journal of vascular surgery - official publication, the Society for Vascular Surgery and International Society for Cardiovascular Surgery, North American Chapter (United States) Apr 2005, 41 (4) p699-707, ISSN 0741-5214 Journal Code: 8407742
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... factor-C (VEGF-C) can promote collagen constriction, capillary sprouting (angiogenesis), and invasion/migration of bone marrow -derived endothelial progenitor cells into collagen (vasculogenesis). METHODS: We used a recently characterized three-dimensional collagen matrix assay with either monolayers of human dermal microvascular endothelial cells (HMVECs) or bone marrow -derived endothelial progenitor cells (BMD EPCs), obtained from Tie-2 LacZ transgenic mice, overlaid with an acellular layer and then a cellular layer of collagen embedded with fibroblasts, that were nontransduced or transduced with either LacZ adenoviral vector (Ad5) or VEGF -C/Ad5. The ability of VEGF -C to enhance fibroblast-mediated collagen constriction was measured, and gels overlying HMVECs or BMD...

... containing BMD EPCs were assayed for EPC invasion/migration into the collagen extracellular matrix. RESULTS: VEGF -C significantly increased

collagen constriction and formation of capillary-like structures with true lumina (P < .05) assessed by von Willebrand factor and VEGF receptor-2 immunoassaying. VEGF -C induced a significant increase in HMVEC migration, tubular polarization, and branching sprouts associated with...

... to support BMD-EPC invasion/migration from the monolayer into the collagen. Moreover, fibroblasts overexpressing VEGF -C significantly enhanced EPC invasion/migration (P < .05) into the extracellular matrix by two-fold, and this effect could not be achieved with equivalent levels of exogenous VEGF -C in the absence of fibroblasts. The addition of a soluble VEGF -C competitor protein only partially inhibited these responses, reducing the EPCs by three-fold, but...
... other fibroblast-specific signals also contribute to the vasculogenic response. CONCLUSION: Fibroblast-specific expression of VEGF -C promotes collagen constriction by fibroblasts and enhances microvascular endothelial cell migration, branching, and capillary...

... expression. Fibroblasts are necessary for BMD EPC invasion/migration into collagen, and their overexpression of VEGF -C enhances this fibroblast-mediated vasculogenic effect. Collectively, these findings suggest a role for VEGF -C in multiple biologic steps required for wound healing (angiogenesis, vasculogenesis, and collagen constriction). CLINICAL ...

... unsolved problem with no previously identified molecular target for therapeutic intervention. This study demonstrates that VEGF -C overexpression by fibroblasts stimulates multiple biologic processes known to impact wound healing, such as...

... findings identify an important role for two novel tissue level targets, dermis-derived fibroblasts and VEGF -C, in collagen constriction, angiogenesis, and postnatal vasculogenesis from BMD EPCs. Thus the findings are...
?

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Set     Items   Description
S1       3173   (DECELLULARIZED OR DECELLULARISATION OR ACELLULAR) (S) (MA-
            TRIX OR MATRICES OR TISSUE?)
S2          3   S1 AND (VEGF AND VECTOR)
S3          1   RD (unique items)
S4          0   S1 AND (BONE (W) MARRROW)
S5         70   (BONE (W) MARROW) (S) (VECTOR AND VEGF)
S6         50   RD (unique items)
S7          1   S6 AND (DECELLULARIZED OR DECELLULARIZATION OR ACELLULAR)
?

S S6 AND (TRANSPLANT OR TRANSPLANTATION OR IMPLANT OR IMPLANTATION)
             50  S6
         183649  TRANSPLANT
        1476879  TRANSPLANTATION
         109349  IMPLANT
         201564  IMPLANTATION
      S8     18  S6 AND (TRANSPLANT OR TRANSPLANTATION OR IMPLANT OR
                 IMPLANTATION)
?

S S8 NOT PY>2003
             18  S8
        2693638  PY>2003
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      S9        7  S8 NOT PY>2003
?

T S9/3,K/ALL
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9/3,K/1 (Item 1 from file: 155)

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DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 Dialog. All rts. reserv.

14317408   PMID: 12133452
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[Inhibition of K562 cell growth and tumor angiogenesis in nude mice by antisense VEGF(121) cDNA transfection]

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  Ruan Guorui; Liu Yanrong; Chen Shanshan; Qin Yazheng; Li Jinlan; Fu Jiayu
; Yu Hong; Chang Yan
  Institute of Hematology, People's Hospital, Peking University, Beijing
100044, China.
  Zhonghua xue ye xue za zhi = Zhonghua xueyexue zazhi (China)   Apr 2002,
 23 (4) p179-82, ISSN 0253-2727   Journal Code: 8212398
  Publishing Model Print
  Document type: Journal Article ; English Abstract
  Languages: CHINESE
  Main Citation Owner: NLM
  Record type: MEDLINE; Completed

  ... the transfected cells in vivo was investigated. The effects of
transfected K562 cells on human bone marrow endothelial cells (BMEC)
were analyzed by MTT assay, the microvessel density (MVD) in tumor mass...

... 72 mm(2) vs (18.9 +/- 7.0)/0.72 mm(2)], respectively. CONCLUSIONS:
Antisense VEGF (121) cDNA transfected K562 cells show growth retardation
in transplanted nude mice, decrease of tumor...
  ...; DE; Humans; K562 Cells; Lymphokines--genetics--GE; Mice; Mice,
Inbred BALB C; Mice, Nude; Neoplasm Transplantation ; Neoplasms,
Experimental--blood supply--BS; Neoplasms, Experimental--genetics--GE;
Neovascularization, Pathologic--genetics--GE; Transfection; Vascular...
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9/3,K/2 (Item 1 from file: 5)

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DIALOG(R)File   5:Biosis Previews(R)
(c) 2005 BIOSIS. All rts. reserv.

0014765901   BIOSIS NO.: 200400133255
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Few implanted bone marrow stem cells become endothelial and myocardial cells in ischemic myocardium in nonhuman primates.

```
AUTHOR: Yoshioka Toru (Reprint); Ageyama Naohide; Shibata Hiroaki; Yasu
  Takanori (Reprint); Takeuchi Koichi; Matsui Keiji (Reprint); Yamamoto
  Keiji (Reprint); Terao Keiji; Shimada Kazuyuki (Reprint); Ikeda Uichi;
  Ozawa Keiya; Hanazono Yutaka
AUTHOR ADDRESS: Department of Cardiology, Jichi Medical School,
  Minamikawachi, Tochigi, Japan**Japan
JOURNAL: Blood 102 (11): p213a November 16, 2003 2003
MEDIUM: print
CONFERENCE/MEETING: 45th Annual Meeting of the American Society of
Hematology San Diego, CA, USA December 06-09, 2003; 20031206
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English
```

...ABSTRACT: CD34+ cells were collected and transduced twice within a day with simian immunodeficiency virus (SIV) vector encoding GFP (provided by DNAVEC Research Inc.) in the presence of SCF, Flt-3 ligand...

...to endothelial cells. Thus, GFP was expected to work as a good genetic tag after implantation . Cynomolgus acute myocardial ischemia was generated by ligating the left anterior descending artery. GFP-transduced ...

...the treatment is mainly derived from host cells rather than from implanted progeny. In addition, implantation of CD34+ cells resulted in increased levels of VEGF in the ischemic region, implying that angiogenic cytokines secreted from implanted cells might play a...

9/3,K/3 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0014409267 BIOSIS NO.: 200300367986
Significant of Expression of Vascular Endothelial Growth Factor in Acute Myeloid Leukemia and Effect on Harringtonine Induced Apoptosis of HL-60 Cells.
AUTHOR: Meng Fan Yi (Reprint); Xu Dan (Reprint)
AUTHOR ADDRESS: Department of Hematology, Nanfang Hospital, Guangzhou, Guangdong, China**China
JOURNAL: Blood 100 (11): pAbstract No. 4502 November 16, 2002 2002
MEDIUM: print
CONFERENCE/MEETING: 44th Annual Meeting of the American Society of Hematology Philadelphia, PA, USA December 06-10, 2002; 20021206
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: HL-60 cells. Our results show that the expression rate of VEGF mRNA in the bone marrow cells from newly diagnosed or relapsed AML patients (83.87%) was higher than the rate in normal subjects (31.25%) and AML patients with allogenic bone marrow transplantation (41.67%). Refractory and non-refractory AML patients had higher mean plasma VEGF levels than the normal donors and AML patients with transplantation did, without significant differences observed in the latter 2 groups. With also significant difference between...

...refractory and non-refractory AML groups had respectively 11.0 and 7.0-fold higher VEGF levels in the culture supernatant than the normal donor group did. The VEGF levels in the plasma of patients with continuing CR median 6 months were significantly lower...

...patients with newly diagnosed or relapsed AML, and significantly higher than AML patients with allogenic bone marrow transplantation and normal donor. PCR and RT-PCR method were applied to confirm that VEGF165 cDNA...

...in HL-60 cell line. HL-60/S transfectants exhibited a 3-fold increase in VEGF secretion, and showed an increasing growth rate and colony forming efficiency as compared to HL...

...less apoptotic cells than HL-60/V in the same culture condition. High

expression of VEGF could reduce the harringtonine-induced apoptosis of HL-60 cells. We concluded that the abnormality of VEGF transcription and translation expression may play an important role in the abnormal proliferating and lower apoptosis of AML cells through an autocrine mechanism. VEGF might be used to evaluate prognosis of AML. High expression of VEGF could significantly reduce the harringtonine-induced apoptosis of HL-60 cells.
DESCRIPTORS:
...METHODS & EQUIPMENT: allogeneic bone marrow transplantation --

9/3,K/4 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0014398648 BIOSIS NO.: 200300357367
Comparative Evaluation of the Systemic Antiangiogenic Gene Therapy by Lentiviral Mediated Stem Cell Gene Transfer in a Mouse Model of Multiple Myeloma.
AUTHOR: Suzuki Noriko (Reprint); Miyake Koichi (Reprint); Okabe Manami (Reprint); Shimada Takashi (Reprint)
AUTHOR ADDRESS: Department of Biochemistry and Molecular Biology, Division of Gene Therapy Research Center for Advanced Medical Technology, Nippon Medical School, Tokyo, Japan**Japan
JOURNAL: Blood 100 (11): pAbstract No. 3232 November 16, 2002 2002
MEDIUM: print
CONFERENCE/MEETING: 44th Annual Meeting of the American Society of Hematology Philadelphia, PA, USA December 06-10, 2002; 20021206
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: the central polypurine tract and the posttranscriptional element were highly efficient in transducing freshly isolated bone marrow cells from 5-fluorouracil treated SCID mice. FACS analysis shows that more than 60% of bone marrow cells were transduced by VSV-G. SCID mice were irradiated with 300 cGY and injected with lentiviral vector transduced BM cells (2x106) and human MM cells (ARH-77, 2x106). ELISA assay showed that the concentration of endostatin in plasma was increased after VSV-E injection. Four weeks post- transplant , tail vein peripheral blood samples were assessed for the presence of ARH-77 leukemic cells...

9/3,K/5 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0013605471 BIOSIS NO.: 200200198982
In vitro and in vivo hematopoietic potential of human muscle stem cells transduced with green fluorescent protein
AUTHOR: Dell'Agnola Chiara (Reprint); Mancuso Patrizia (Reprint); Capillo Manuela; Rabascio Cristina (Reprint); Gobbi Alberto; Monestiroli Silvia; Pruneri Giancarlo; Martinelli Giovanni (Reprint); Bertolini Francesco (Reprint)
AUTHOR ADDRESS: Hematology-Oncology, European Institute of Oncology, Milan, Italy**Italy
JOURNAL: Blood 98 (11 Part 1): p545a November 16, 2001 2001

MEDIUM: print
CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001; 20011207
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: RAG mice were transplanted with fresh or cultured muscle cells. As previously reported for the transplantation of hematopoietic progenitors, in these two strains of immunodeficient mice the level of human cell...

...CD45+ hematopoietic cells (including myeloid and lymphoid subsets) were detected by flow cytometry in the bone marrow and peripheral blood. Results were confirmed by PCR, Southern blotting and DNA sequencing. Liver, muscle...

...of mice transplanted with >500,000 cultured cells and showing human hematopoietic engraftment in the bone marrow . In vivo hematopoietic engraftment potential was maintained in cultured cells transduced with the GFP marker...

9/3,K/6 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0013593639 BIOSIS NO.: 200200187150
Endothelial progenitor cell vascular endothelial growth factor gene transfer for vascular regeneration
AUTHOR: Iwaguro Hideki; Yamaguchi Jun-ichi; Kalka Christoph; Murasawa Satoshi; Masuda Haruchika; Hayashi Shin-ichiro; Silver Marcy; Li Tong; Isner Jeffrey M; Asahara Takayuki (Reprint)
AUTHOR ADDRESS: St Elizabeth's Medical Center, 736 Cambridge St, Boston, MA, 02135, USA**USA
JOURNAL: Circulation 105 (6): p732-738 February 12, 2002 2002
MEDIUM: print
ISSN: 0009-7322
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: modulation of EPCs. Methods and Results-In vitro, ex vivo murine vascular endothelial growth factor (VEGF) 164 gene transfer augmented EPC proliferative activity and enhanced adhesion and incorporation of EPCs into...

...determine if such phenotypic modulation may facilitate therapeutic neovascularization, heterologous EPCs transduced with adenovirus encoding VEGF were administered to athymic nude mice with hindlimb ischemia; neovascularization and blood flow recovery were...

...in vivo experiments was 30 times less than that required in previous trials of EPC transplantation to improve ischemic limb salvage. Necropsy analysis of animals that received DiI-labeled VEGF -transduced EPCs confirmed that enhanced EPC incorporation demonstrated in vitro contributed to in vivo neovascularization as well. Conclusions-In vitro, VEGF EPC gene transfer enhances EPC proliferation, adhesion, and

incorporation into endothelial cell monolayers. In vivo, gene-modified EPCs facilitate the strategy of cell transplantation to augment naturally impaired neovascularization in an animal model of experimentally induced limb ischemia.
DESCRIPTORS:
METHODS & EQUIPMENT: cell transplantation --...

...therapeutic method, tissue transplantation method

9/3,K/7 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0013150438 BIOSIS NO.: 200100322277
Bone marrow-derived cells contribute to tumor neovasculature and when modified to express an angiogenesis inhibitor, restrict tumor growth in mice
AUTHOR: Davidoff Andrew M (Reprint); Leary Margaret (Reprint); Ng Catherine Y C (Reprint); Spurbeck William (Reprint); Brown Peggy; Horwitz Edwin M; Nienhuis Arthur W; Vanin Elio F
AUTHOR ADDRESS: Department of Surgery, St. Jude Children's Research Hospital, Memphis, TN, USA**USA
JOURNAL: Blood 96 (11 Part 1): p804a November 16, 2000 2000
MEDIUM: print
CONFERENCE/MEETING: 42nd Annual Meeting of the American Society of Hematology San Francisco, California, USA December 01-05, 2000; 20001201
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: specifically targeting tumor sites. Bone marrow-derived cells were transduced ex vivo with a retroviral vector encoding an angiogenesis inhibitor, a soluble, truncated form of the vascular endothelial growth factor (VEGF) receptor Flk-1/KDR. These cells were then transplanted into lethally irradiated mice. Successful engraftment ...

...transgene expression (5-15 mug/ml serum) being detected for greater than one year following transplantation . Serum from these mice demonstrated significant inhibition of VEGF -stimulated human umbilical vein endothelial cell (HUVEC) migration in vitro ($p<0.03$) when compared to serum from mice transplanted with bone marrow cells modified to express the gene for green fluorescent protein (GFP). Growth of murine neuroblastoma cells implanted in the subcutaneous space of syngeneic mice with genetically modified bone marrow cells expressing soluble, truncated Flk-1 was significantly reduced (<50% tumor volume after 25 days...

...the endothelial cells of the tumor-induced neovasculature were derived, at least in part, from bone marrow precursors. These results suggest that long-term expression of a functional angiogenesis inhibitor can be established through gene-modified bone marrow -derived stem cells and that this approach can have significant anti-cancer efficacy. Modifying these...
DESCRIPTORS:
...METHODS & EQUIPMENT: genetically modified bone marrow cell transplantation --...

...gene therapy method, transplantation method
?

```
Set     Items   Description
S1       3173   (DECELLULARIZED OR DECELLULARISATION OR ACELLULAR) (S) (MA-
            TRIX OR MATRICES OR TISSUE?)
S2          3   S1 AND (VEGF AND VECTOR)
S3          1   RD (unique items)
S4          0   S1 AND (BONE (W) MARROW)
S5         70   (BONE (W) MARROW) (S) (VECTOR AND VEGF)
S6         50   RD (unique items)
S7          1   S6 AND (DECELLULARIZED OR DECELLULARIZATION OR ACELLULAR)
S8         18   S6 AND (TRANSPLANT OR TRANSPLANTATION OR IMPLANT OR IMPLAN-
            TATION)
S9          7   S8 NOT PY>2003
?

S S1 AND (VECTOR)
            3173  S1
          295153  VECTOR
     S10      19  S1 AND (VECTOR)
?

RD
...completed examining records
     S11       9  RD (unique items)
?

T S11/3,K/ALL

  11/3,K/1     (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2005 Dialog. All rts. reserv.

17881062   PMID: 15874936
 Vascular endothelial growth factor-C promotes vasculogenesis,
 angiogenesis, and collagen constriction in three-dimensional collagen gels.
  Bauer Stephen M; Bauer Richard J; Liu Zhao-Jun; Chen Haiying; Goldstein
Lee; Velazquez Omaida C
  Hospital of University of Pennsylvania, Philadelphia 19124, USA.
  Journal of vascular surgery - official publication, the Society for
Vascular Surgery and International Society for Cardiovascular Surgery,
North American Chapter (United States)  Apr 2005,  41  (4)  p699-707,
ISSN 0741-5214   Journal Code: 8407742
  Publishing Model Print
  Document type: Journal Article
  Languages: ENGLISH
  Main Citation Owner: NLM
  Record type: MEDLINE; Completed

  ... endothelial progenitor cells into collagen (vasculogenesis). METHODS:
We used a recently characterized three-dimensional collagen matrix assay
with either monolayers of human dermal microvascular endothelial cells
(HMVECs) or bone marrow-derived endothelial progenitor cells (BMD EPCs),
obtained from Tie-2 LacZ transgenic mice, overlaid with an acellular
layer and then a cellular layer of collagen embedded with fibroblasts, that
were nontransduced or transduced with either LacZ adenoviral vector (Ad5)
or VEGF-C/Ad5. The ability of VEGF-C to enhance fibroblast-mediated
```

collagen...

... formation; gels containing BMD EPCs were assayed for EPC invasion/migration into the collagen extracellular matrix . RESULTS: VEGF-C significantly increased collagen constriction and formation of capillary-like structures with true...

... tubular polarization, and branching sprouts associated with a significant up-regulation of membrane type 1 matrix metalloproteinase (MT1-MMP) (P < .05). Fibroblasts were necessary to support BMD-EPC invasion/migration from...

... Moreover, fibroblasts overexpressing VEGF-C significantly enhanced EPC invasion/migration (P < .05) into the extracellular matrix by two-fold, and this effect could not be achieved with equivalent levels of exogenous ...

... EPCs by three-fold, but significant numbers of EPCs still invaded/migrated into the extracellular matrix , suggesting that other fibroblast-specific signals also contribute to the vasculogenic response. CONCLUSION: Fibroblast-specific...

... wound healing, such as collagen constriction, capillary sprouting, and EPC invasion and migration through extracellular matrix . Most ischemic wounds fail to heal and frequently lead to major limb amputation. Available cytokine...

...these procedures are accomplished, many ischemic wounds frequently still do not heal because of multifactorial tissue level impairments in the fibroblastic and neovascularization responses at the wound base. Our findings identify an important role for two novel tissue level targets, dermis-derived fibroblasts and VEGF-C, in collagen constriction, angiogenesis, and postnatal vasculogenesis...

11/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

17678172 PMID: 15835805
[Effect of expression of platelet-derived growth factor B gene on blood vessel reconstruction after tissue engineering skin grafting]
Tan Qian; Chen Xi; Liang Zhi-wei; Huang Pei-lin; Zhou Hong-reng; Yang Ding-wen; Lin Zi-hao; Jiang Hua
Department of Burns and Plastic Surgery, Drum Tower Hospital, Medical College of Nanjing University, Nanjing, China.
Zhonghua zheng xing wai ke za zhi = Zhonghua zhengxing waike zazhi = Chinese journal of plastic surgery (China) Nov 2004, 20 (6) p447-50, ISSN 1009-4598 Journal Code: 100957850
Publishing Model Print
Document type: Journal Article
Languages: CHINESE
Main Citation Owner: NLM
Record type: In Process

OBJECTIVE: To study the effect of PDGF on dermal blood vessel reconstruction by transplanted tissue -engineering skin containing PDGF-B gene to rats. METHODS: The recombined eukaryotic expression vector , pcDNA3.1-hPDGF-B, was constructed and transfected into fibroblasts mediated by LipofectAMINE. Keratinocytes + acellular dermal matrix (group A),

keratinocytes + acellular dermal matrix + fibroblasts (group B), keratinocytes + acellular dermal matrix + fibroblasts with PDGF gene (group C) were recombined respectively, then transplanted them to rat dorsum...

... gene plays an important role in reconstruction of blood vessels in the dermis at early tissue -engineering skin grafting, which ensures the take of grafted tissue -engineering skin.

11/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

15428697 PMID: 15272407
Transmission of Yersinia pestis from an infectious biofilm in the flea vector.
Jarrett Clayton O; Deak Eszter; Isherwood Karen E; Oyston Petra C; Fischer Elizabeth R; Whitney Adeline R; Kobayashi Scott D; DeLeo Frank R; Hinnebusch B Joseph
Laboratory of Human Bacterial Pathogenesis, Rocky Mountain Laboratories, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Hamilton, Montana 59840, USA.
Journal of infectious diseases (United States) Aug 15 2004, 190 (4) p783-92, ISSN 0022-1899 Journal Code: 0413675
Publishing Model Print-Electronic
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

Transmission of Yersinia pestis from an infectious biofilm in the flea vector .
... genes; here, we show that the hms genes are also required to produce an extracellular matrix and a biofilm in vitro, supporting the hypothesis that a transmissible infection in the flea depends on the development of a biofilm on the hydrophobic, acellular surface of spines that line the interior of the proventriculus. The development of biofilm and proventricular infection did not depend on the 3 Y. pestis quorum-sensing systems. The extracellular matrix enveloping the Y. pestis biofilm in the flea appeared to incorporate components from the flea...

11/3,K/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

14689721 PMID: 12625962
Efficient and stable retroviral transfection of ovine endothelial cells with green fluorescent protein for cardiovascular tissue engineering.
Afting M; Stock U A; Nasseri B; Pomerantseva I; Seed B; Vacanti J P
Department of Molecular Biology, Massachusetts General Hospital, Harvard Medical School, Boston, Massachusetts 02114, USA.
Tissue engineering (United States) Feb 2003, 9 (1) p137-41, ISSN 1076-3279 Journal Code: 9505538
Contract/Grant No.: HL-97-005; HL; NHLBI
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM

Record type: MEDLINE; Completed

To determine whether cellular components of tissue -engineered cardiovascular structures are derived from cells harvested and seeded onto an acellular scaffold, or from cells originating from surrounding tissue (e.g., proximal and distal anastomosis), cellular retroviral transfection with green fluorescent protein (GFP) was...
... endothelial cells (ECs) were transfected with a Moloney murine leukemia virus (Mo-MuLV)-based retroviral vector expressing GFP. Transfection was evaluated by fluorescence microscopy and fluorescence-activated cell sorting. The rate...

...long-term labeling of ovine ECs. This approach might offer an attractive pathway to study tissue development, with emphasis on distinguishing between cellular components initially seeded onto a construct and those occurring as a result of cell ingrowth from surrounding tissue .

11/3,K/5 (Item 5 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

12662380 PMID: 10584927
Selection of keratinocytes transduced with the multidrug resistance gene in an in vitro skin model presents a strategy for enhancing gene expression in vivo.
Pfutzner W; Hengge U R; Joari M A; Foster R A; Vogel J C
Dermatology Branch, National Cancer Institute, National Institutes of Health, Bethesda, MD 20892-1908, USA. Jonvogel@Box-j.nih.gov
Human gene therapy (UNITED STATES) Nov 20 1999, 10 (17) p2811-21, ISSN 1043-0342 Journal Code: 9008950
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... cells expressing both the desired gene and a linked selectable marker gene in a bicistronic vector . As a potential target tissue , the skin is easily accessible for safe topical application of a selecting agent that could...

...resistance to a variety of cytostatic and antimitotic compounds, such as colchicine. While growing on acellular dermis, transduced keratinocytes were treated with various doses of colchicine (10-50 ng/ml). Colchicine...

11/3,K/6 (Item 6 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11293308 PMID: 8603853
Structure-function correlations in the human medial rectus extraocular muscle pulleys.
Porter J D; Poukens V; Baker R S; Demer J L
Department of Anatomy, University of Kentucky Medical Center, Lexington 40536-0084, USA.
Investigative ophthalmology & visual science (UNITED STATES) Feb 1996, 37 (2) p468-72, ISSN 0146-0404 Journal Code: 7703701
Contract/Grant No.: EY08313; EY; NEI; EY09834; EY; NEI

Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... fine structure of the human medial rectus muscle pulley. METHODS. Human medial rectus muscle pulley tissue was dissected at autopsy, immersed in aldehyde fixative solution, and processed for and examined with ...

... s fascia, closely surrounding the medial rectus muscle. Pulleys were comprised of a dense collagen matrix with alternating bands of collagen fibers precisely arranged at right angles to one another. This...

...likely confers high tensile strength to the pulley. Elastin fibrils were interspersed in the collagen matrix . Fibroblasts and mast cells were scattered throughout the relatively acellular and avascular collagen latticework. Connective tissue and smooth muscle bundles suspended the pulley from the periorbita. Smooth muscle was distributed in small, discrete bundles attached deeply into the dense pulley tissue . CONCLUSIONS. Fine structural observations confirm the existence and substantial structure of a pulley system in...

... that they determine functional origins for the extraocular muscles. However, the nature of the connective tissue -smooth muscle struts suspending the pulley system to the orbit supports the notion that the pulley position, and thus the vector force of the eye muscles, may be adjustable.

11/3,K/7 (Item 7 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

07465221 PMID: 3937013
[Behavior of the Y and Peruvian strains of Trypanosoma cruzi in mice, after passage through various media]
Comportamento das cepas Y e Peruana do Trypanosoma cruzi no camundongo, apos passagem em diferentes meios.
Magalhaes J B; Pontes A L; Andrade S G
Memorias do Instituto Oswaldo Cruz (BRAZIL) Jan-Mar 1985, 80 (1) p41-50, ISSN 0074-0276 Journal Code: 7502619
Publishing Model Print
Document type: Journal Article ; English Abstract
Languages: PORTUGUESE
Main Citation Owner: NLM
Record type: MEDLINE; Completed

... passed through different conditions of maintainance and cultivation was studied. The conditions were: Warren's acellular culture medium, cryopreservation in liquid Nitrogen, passage through the insect vector and direct blood passage from mice to mice. The parameters considered for comparative study were as follows: parasitemia, mortality rate, maximum survival time, morphology of parasites in peripheral blood, tissue tropism and histopathological lesions. Each experimental group consisted of two sub-groups according to the...

11/3,K/8 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

0013270312 BIOSIS NO.: 200100442151
Use of acellular human dermis as a carrier matrix for adenoviral-mediated gene transfer
AUTHOR: Gordon A (Reprint); Karmacharya J (Reprint); Ong G (Reprint); Hunenko O (Reprint); Esteves M (Reprint); Martin B (Reprint); Crombleholme T M (Reprint); Kirschner R E (Reprint)
AUTHOR ADDRESS: Children's Institute for Surgical Science, Children's Hospital of Philadelphia, Philadelphia, PA, USA**USA
JOURNAL: Wound Repair and Regeneration 9 (2): p142 March-April, 2001 2001
MEDIUM: print
CONFERENCE/MEETING: Eleventh Annual Meeting and Educational Symposium Wound Healing Society Albuquerque, New Mexico, USA May 16-18, 2001; 20010516
SPONSOR: Wound Healing Society
ISSN: 1067-1927
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English

Use of acellular human dermis as a carrier matrix for adenoviral-mediated gene transfer
DESCRIPTORS:
...ORGANISMS: gene vector ;

11/3,K/9 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0010081679 BIOSIS NO.: 199598549512
Borrelia burgdorferi upregulates expression of adhesion molecules on endothelial cells and promotes transendothelial migration of neutrophils in vitro
AUTHOR: Sellati Timothy J (Reprint); Burns Margaret J; Ficazzola Michael A; Furie Martha B
AUTHOR ADDRESS: Dep. Pathol., SUNY Stony Brook, NY 11794-8691, USA**USA
JOURNAL: Infection and Immunity 63 (11): p4439-4447 1995 1995
ISSN: 0019-9567
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: The accumulation of leukocytic infiltrates in perivascular tissues is a key step in the pathogenesis of Lyme disease, a chronic inflammatory disorder caused...

...attachment of circulating leukocytes to the blood vessel wall and their subsequent extravasation into perivascular tissues . Using cultured human umbilical vein endothelial cells (HUVEC) in a whole-cell enzyme-linked immunosorbent...
...1 peaked at 12 h and remained elevated at 24 h. HUVEC monolayers cultured on acellular amniotic tissue were used to investigate the consequences of endothelial cell activation by spirochetes. After incubation of...
DESCRIPTORS:
...MAJOR CONCEPTS: Vector Biology
?

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Set     Items   Description
S1       3173   (DECELLULARIZED OR DECELLULARISATION OR ACELLULAR) (S) (MA-
            TRIX OR MATRICES OR TISSUE?)
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S3          1   RD (unique items)
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S5         70   (BONE (W) MARROW) (S) (VECTOR AND VEGF)
S6         50   RD (unique items)
S7          1   S6 AND (DECELLULARIZED OR DECELLULARIZATION OR ACELLULAR)
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              TATION)
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S10        19   S1 AND (VECTOR)
S11         9   RD (unique items)
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            $2.20  10 Types
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(L12 AND (BONE ADJ MARROW)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

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